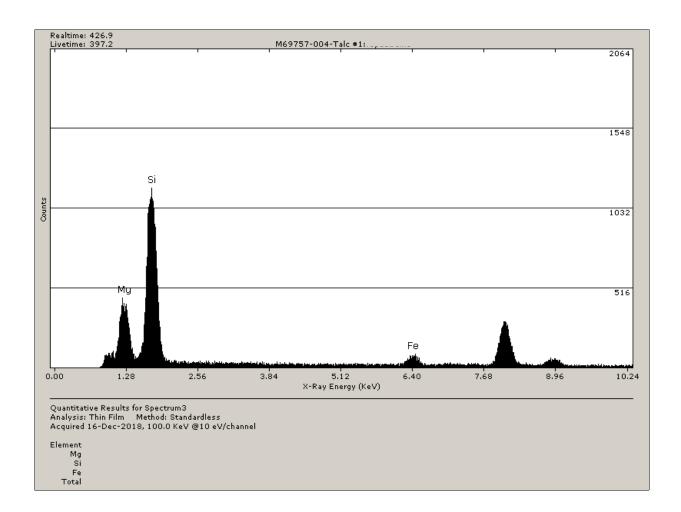
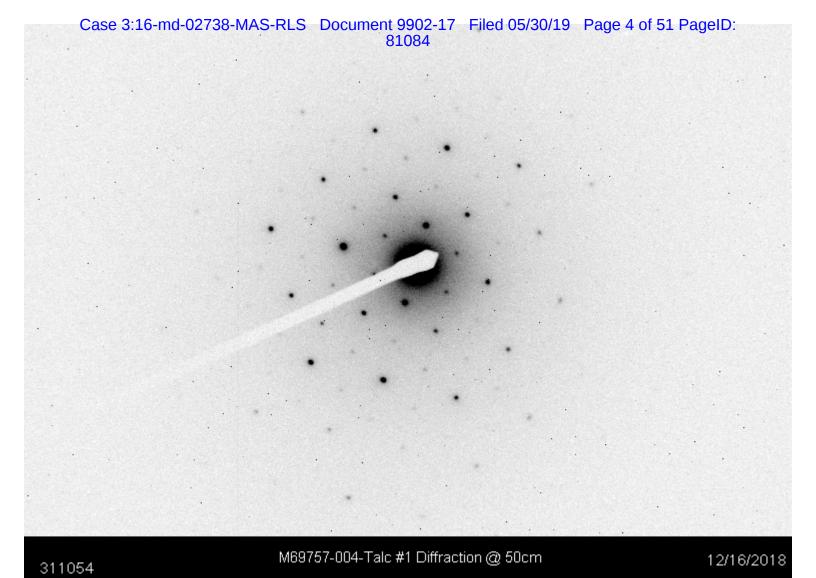
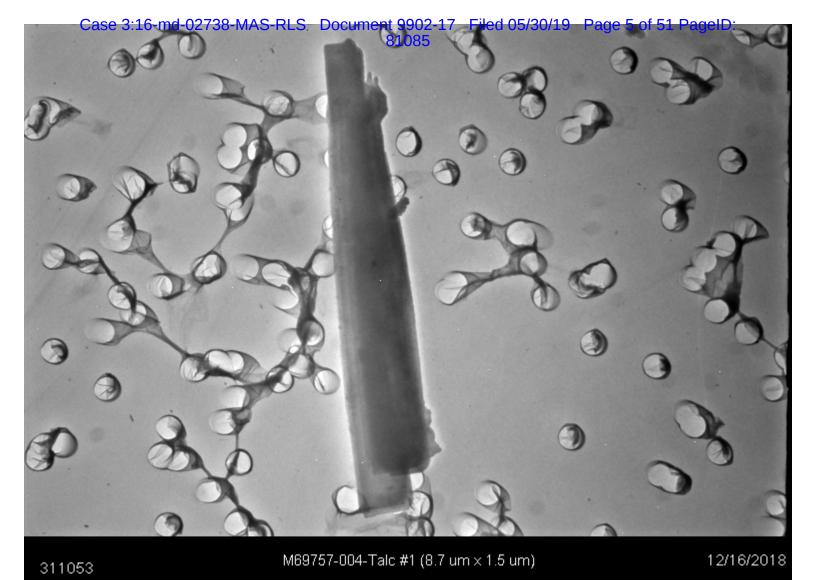
Exhibit 67-R

	TEM Bulk Talc Structure Count Sheet									
Project/ Sample No.	M69757-004		Grid Box#	8344	No. of Grids Counted	2				
Analyst:	Elyse Ste	empinski		Length	Width	G.O. Area				
Date of Analysis	12/14	/2018	G. O. in	105	105	105				
Initial Weight(g)	0.04	122	microns =	105	105	105				
Analysis Type	Post Separation	n Talc Analysis	Grid Acceptance	Yes	Average	11025				
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100				
2	Screen Magnification	20 KX	Are	1.103						

Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
Talc #1	C8-B4	Fibrous Talc	8.7	1.5	5.8	Fibrous Talc Ob	served
						Trace throughou	ut







Section 9

Proj#-Spl#	M69751 - 036ISO	Analyst Paul Hess	Date 12/13/2018
lientName E	Beasley, Allen, Crow, Methvin	Portis & Miles ClientSp	120180313-02A
ocation –			_
ype_Mat T	alc		
_	hite powder	· · · · · · · · · · · · · · · · · · ·	% of Sample 100
Visual			_
			_
	OPTICAL DA	TA FOR ASBESTOS IDENTIFICA	ATION
Morpholog	ıv		
Pleochrois			
Refract Inde	ex		
Sign	ι^		
Extinctio			
Birefringend			
Me			
Fiber Nam	e		
ASBESTOS	MINERALS	EST. VOL. % NO ASBESTOS OBSERVED	
Chroatile	***************************************		
-			

	tinolite		
	ROUS COMPONENTS		
		救救效	
Talc -B/Y DS i	11.55		
7			
		·	
NON FIBRO	US COMPONENTS		
Opaques		X	
Talc		X	
Mineral grains		X	
Rinder Desci	rintion		
Com	ments *** Moderate amount	fibrous Talc observed. X = Mater	ials detected.
44 .111		<u> </u>	
		2002000 2002	
		The method detection li	mit is 1% unless otherwise state

Proj#-Spl#	M69751 - 036BL	Analyst Paul Hess	Date 12/15/2018
ClientName E	Beasley, Allen, Crow, Methvin,	Portis & Miles Clien	tSpl 20180313-02A
ocation.			
ype_Mat 7	Talc		
	e debris with tan flecks on slic	le	% of Sample 100
Visual			- 10
	OPTICAL DA	TA FOR ASBESTOS IDENTIF	CATION
Morpholog	ву [
Pleochrois	m ·		
Refract Inde			
Sigr			
Extinction			
Birefringend			
Me Fiber Nam			
riber warr	ie		
ASBESTOS	MINERALS	EST. VOL. % NO ASBESTOS OBSERVE	D.
Chrysotile	***************************************		
	••••••		_
Crocidolite	***************************************		_
Tremolite/Ac	tinolite		_
Anthophyllite			
OTHER FIBI	ROUS COMPONENTS		
			_
			_
			_
			_
NON FIBRO	US COMPONENTS		
Opaques		X	_
Talc		X	- 1
Mineral grains		X	_
			
		11 11 11	-
Binder Desc	ription	***	

Com	ments Actinolite/Tremolite	leavage fragments/particles of	bserved. X = Materials detected.
		Men and the state of	II1
		The method detection	on limit is 1% unless otherwise state

Case 3:16-md-02738-MAS-RLS Document 9902-17 Filed 05/30/19 Page 9 of 51 PageID: 81089

	TEM Bulk Talc Structure Count Sheet									
Project/ Sample No.	M69751	-036	Grid Box#	8644	No. of Grids Counted	2				
Analyst:	Elyse Ster	mpinski		Length	Width	G. O. Area				
Date of Analysis	12/15/2018 - 1	12/16/2018	G. O. in microns =	105	105	11025				
Initial Weight(g)	0.041	73	G. O. III IIIICIOIIS =	105	105	11025				
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025				
Scope No.	Accelerating Voltage	100 KV	Loading%	18%	G.O.s Counted	100				
3	Screen Magnification	20 KX	Area Examined mm²			1.103				

	1		l Ashastas				1	
C4 #	Crid Opening	Ctructure	Asbestos	Langth	\A/;d4b	Datie .	CAED	EDE
Str. # NSD	Grid Opening D2-A5	Structure	Туре	Length	Width	Ratio	SAED	EDS
NSD	A6							
NSD	A7							
NSD	A8							
NSD	A9							
NSD	A9 A10							
NSD	B1							
NSD	B2							
NSD	B3							
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3							
NSD								
	C4 C5							
NSD NSD	C6							
NSD NSD	C7 C8							
NSD	C9							
NSD	C10							
NSD	D1	DII -	T	0.0	0.40	25.0	V	V
1	D2 D3	Bundle	Tremolite	6.3	0.18	35.0	Х	Х
NSD								
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8							
NSD	D9							
NSD	D10							
NSD	E1				1		 	
NSD	E2				-		-	
NSD	E3						-	
NSD	E4							
NSD	E6				1			
NSD	E7				1		-	
NSD	E8				1			
NSD	E9				1			
NSD	E10				1			
NSD	F1							
NSD	F2							
NSD	F4				-		-	
NSD	F5				-			
NSD	F6						l	

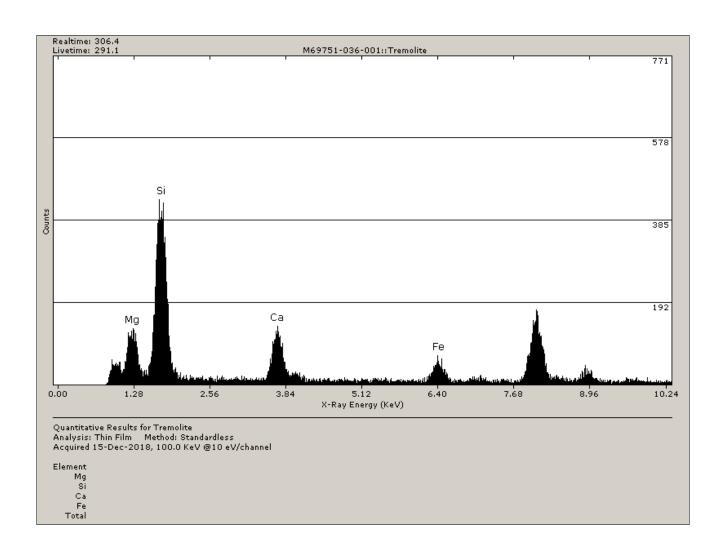
	TEM Bulk Talc Structure Count Sheet									
Project/ Sample No.	M69751-036		Grid Box #	8644	No. of Grids Counted	2				
Analyst:	Elyse Ster	mpinski		Length	Width	G. O. Area				
Date of Analysis	12/15/2018 -	12/16/2018	G. O. in microns =	105	105	11025				
Initial Weight(g)	0.041	73	G. O. III IIIICIOIIS =	105	105	11025				
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025				
Scope No.	Accelerating Voltage	100 KV	Loading%	18%	G.O.s Counted	100				
3	Screen Magnification	20 KX	Area Exam	1.103						

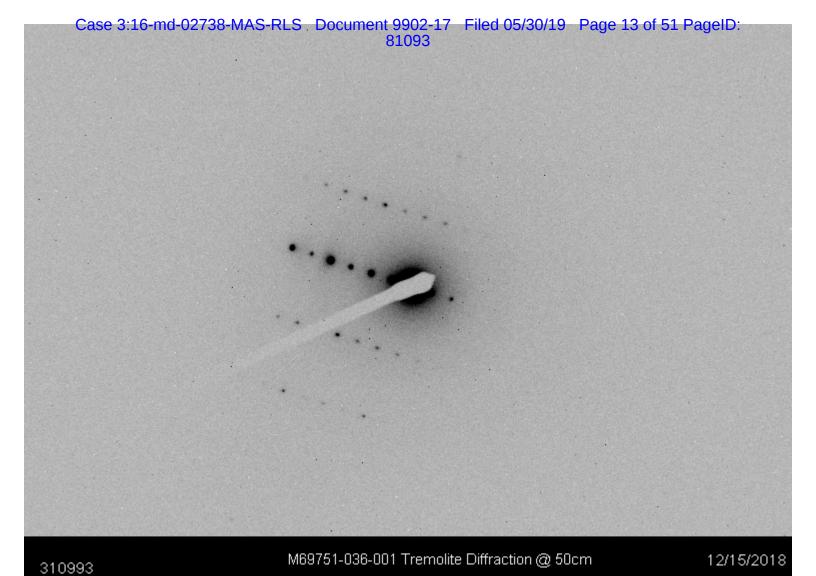
	,		I A = b = = 1 = =	1				
0, "			Asbestos		147.141		0.450	
Str. #	Grid Opening	Structure	Туре	Length	Width	Ratio	SAED	EDS
NSD	E2-A4							
NSD	A5						-	
NSD	A6							
NSD	A7							
NSD	A8							
NSD	A9							
NSD	A10							
NSD	B1							
NSD	B2							
NSD	B3							
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4							
NSD	C5							
NSD	C6							
NSD	C7							
NSD	C8							
NSD	C9							
NSD	C10							
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8							
NSD	D9		1				<u> </u>	
NSD	D10		1				<u> </u>	
NSD	E1						1	
NSD	E2						+	
NSD	E3							
NSD	E4						+	
NSD	E5						+	
NSD	E7				+	 	+	
NSD	E8						+	
NSD	E9						+	
NSD	E10				<u> </u>		+	
NSD	F1						+	
NSD	F2		 		1		+	
NSD	F3		-		1		+	
NSD	F3 F4				-	-	-	
עטעו	1 4		İ					l

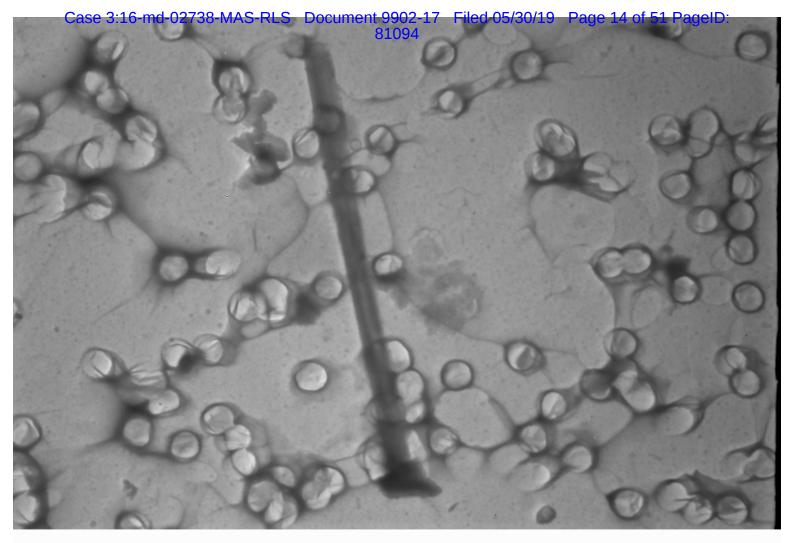
	TEM Bulk Talc Structure Count Sheet									
Project/ Sample No.	M69751-036		Grid Box #	8644	No. of Grids Counted	2				
Analyst:	Elyse Ster	mpinski		Length	Width	G. O. Area				
Date of Analysis	12/15/2018 -	12/16/2018	G. O. in microns =	105	105	11025				
Initial Weight(g)	0.041	73	G. O. III IIIICIOIIS =	105	105	11025				
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025				
Scope No.	Accelerating 100 KV Voltage		Loading%	18%	G.O.s Counted	100				
3	Screen Magnification	20 KX	Area Examined mm²			1.103				

				Asbestos					
ı	Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS

	Sample Wt.					
Org. Sample	Post HL					
Wt.	Separation					
0.04173	0.04173	g				
Percent of						
Orig. Post						
Separation	100	(%)				
_						
Wt. Of		1				
Sample						
Analyzed	0.00022878	g				
Filter size	201.1	mm²				
Number of		1				
Structures				Detection		
Counted	1	Str.		Limit	4.37E+03	Str./g
Structures		1				1
per Gram of				Analytical		
Sample	4.37E+03	Str./g		Sensitivity	4.37E+03	Str./g





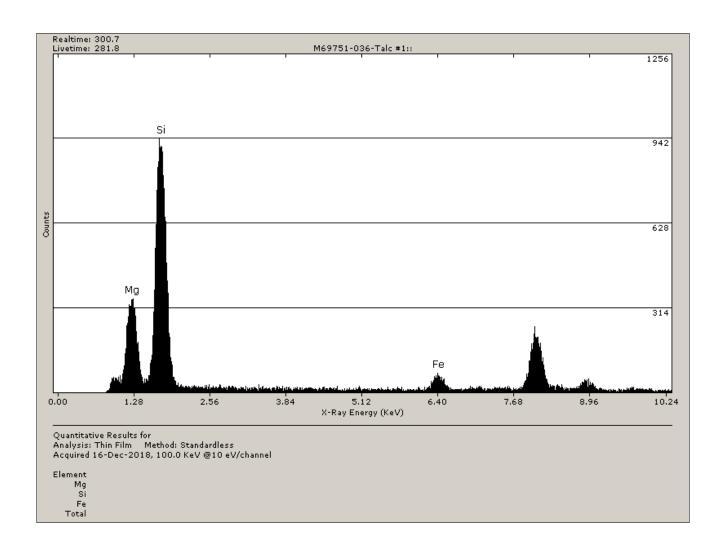


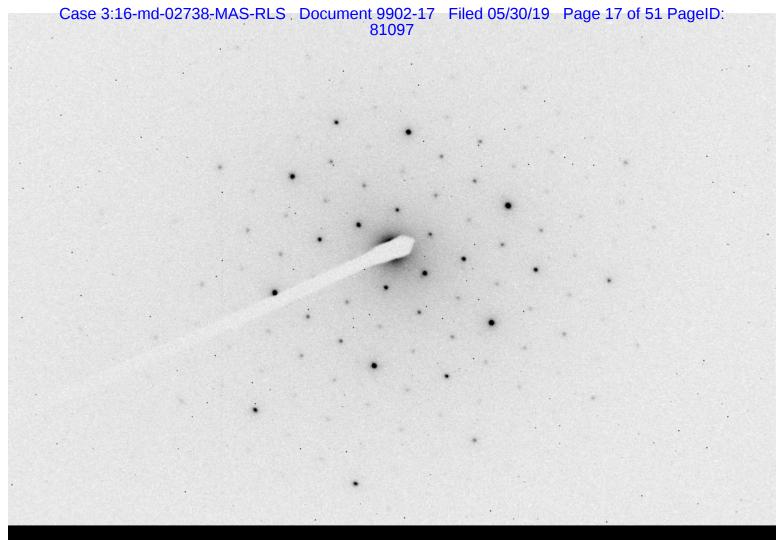
M69751-036-001 Tremolite (6.3 $\text{um} \times 0.18\text{um}$)

12/15/2018

	TEM Bulk Talc Structure Count Sheet									
Project/ Sample No.	M6975	51-036	Grid Box#	8644	No. of Grids Counted	2				
Analyst:	Elyse Ste	empinski		Length	Width	G.O. Area				
Date of Analysis	12/15/2018 -	12/16/2018	G. O. in	105	105	105				
Initial Weight(g)	0.04	173	microns =		105	105				
Analysis Type	Post Separation	n Talc Analysis	Grid Acceptance	Yes	Average	11025				
Scope No.	Accelerating Voltage	100 KV	Loading%	18%	G.O.s Counted	100				
3	Screen Magnification	20 KX	Are	1.103						

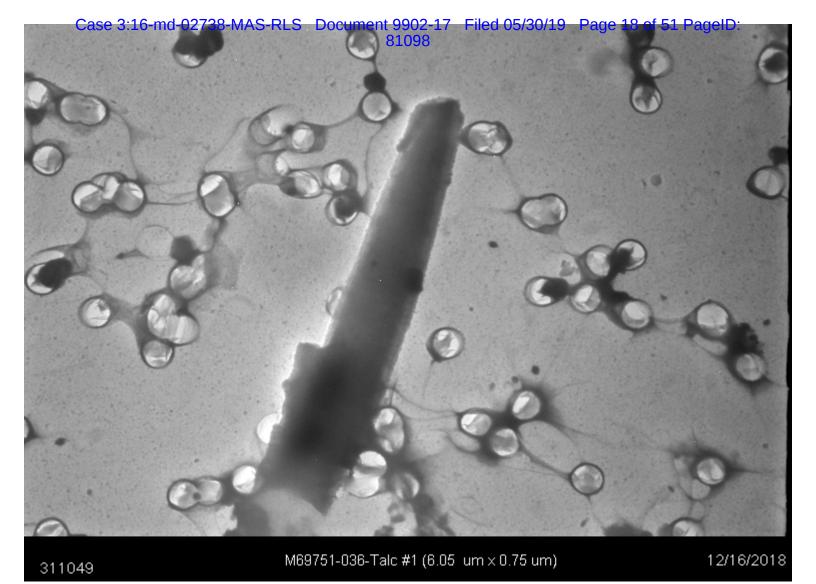
Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
Talc #1	D2-D8	Fibrous Talc	6.05	0.75	8.1	Fibrous Talc Observed	
						Trace throughout	





M69751-036-Talc #1 Diffraction @ 50cm

12/16/2018



Section 10

roj#-Spl#	M68503 - 017ISO	Analyst Paul Hess	Date 10/31/2018
lientName De	pt 14 Environmental	ClientSp	I <u>2018-0060-38A</u>
ocation			
/pe_Mat Jol	nnson's Baby Powder		
Gross Off-wh	ite powder		% of Sample 100
Visual			
			<u> </u>
	OPTICAL DA	ATA FOR ASBESTOS IDENTIFICA	ATION
Morphology			
Pleochroism			
Refract Index			
Sign^			
Extinction			
Birefringence Melt			
Fiber Name			
ASBESTOS N	IINERALS	EST. VOL. %	
		NO ASBESTOS OBSERVED	
Chrysotile			
Crocidolite			
Tremolite/Acti	nolite		
Anthophyllite.			
OTHER FIBR	OUS COMPONENTS		
- ГаІс -В/Y DS in		***	
Taic -B/T DO III	1.55		
NON FIBROU	S COMPONENTS		
2		X	
Opaques Talc		X	
		X	
Mineral grains		^	
	ntion		
Binder Descri			
Binder Descri			
Binder Descri			

The method detection limit is 1% unless otherwise stated.

Proj#-Spl#	M68503 - 017BL1	Analyst Paul Hess	Date 10/25/2018
ClientName [Dept 14 Environmental	ClientSp	ol <u>2018-0060-38A</u>
_ Location			
Гуре_Маt	lohnson's Baby Powder (10	Omg prep)	
Gross Whit	e debris on slide		% of Sample 100
			<u> </u>
	OPTICAL DA	ATA FOR ASBESTOS IDENTIFIC	ATION
Morpholog	ду		
Pleochrois	m		
Refract Inde			
Sigr			
Extinction			
Birefringen			
Me Fiber Nam			
Fiber Naii	ie		
ASBESTOS	MINERALS	EST. VOL. %	
		NO ASBESTOS OBSERVED	
Chrysotile			
	tinolite		
	e		
OTHER FIB	ROUS COMPONENTS		
Talc -B/Y DS	in 1.55	***	
NON FIBRO	US COMPONENTS		
Opaques		X	
Talc		X	
Mineral grains	<u> </u>	X	
Diadea Dese	alatlan		
Binder Desc	p		
_	V M-1	***Trace and T.	a base and
Con	x = Materials detection	cted. ***Trace amount fibrous Talc	observea.

The method detection limit is 1% unless otherwise stated.

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		TEI	M Bulk Talc Structure Co	unt Sheet		
Project/ Sample No.	M68503-017		Grid Box#	8637	No. of Grids Counted	2
Analyst:	Mehrdad M	otamedi		Length	Width	G. O. Area
Date of Analysis	10/30/2	2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.020	35	G. O. III IIIICIOIIS =	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Exam	1.103		

			A = b = = 1 = =			1		
0, "			Asbestos		147.141	5 .:	0.450	
Str. #	Grid Opening C3-B1	Structure	Туре	Length	Width	Ratio	SAED	EDS
NSD NSD	B2							
								
NSD NSD	B3 B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4							
NSD	C5							
NSD	C6							
NSD	C7							
NSD	C8							
NSD	C9							
NSD	C10							
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8							
NSD	D9							
NSD	D10							
NSD	E1							
NSD	E2							
NSD	E3							
NSD	E4							
NSD	E5						<u> </u>	
NSD	E6						 	
NSD	E7						 	
NSD	E8						1	
NSD	E9							
NSD	E10							
NSD	F1							
NSD	F2				<u> </u>		 	
NSD	F3						 	
NSD	F4							\vdash
NSD	F5						 	
NSD	F6						 	
NSD	F7				+		 	
NSD	F8		-		+		 	
NSD	F9							
NSD	F10						-	
חפא	L LIO		İ		l			

		TEM	M Bulk Talc Structure Co	unt Sheet		
Project/ Sample No.	M68503-017		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad M	lotamedi		Length	Width	G. O. Area
Date of Analysis	10/30/2	2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.020	35	G. O. III IIIICIOIIS =	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm²			1.103

				•		1		
		.	Asbestos				l	
Str. #	Grid Opening	Structure	Туре	Length	Width	Ratio	SAED	EDS
NSD	D3-J1							
NSD	J2							
NSD	J3							
NSD	J4							
NSD	J5							
NSD	J6							
NSD	J7							
NSD	J8							
NSD	J9							
NSD	J10							
NSD	I1							
NSD	12							
NSD	13							
NSD	14							
NSD	15							
NSD	16							
NSD	17							
NSD	18							
NSD	19							
NSD	l10							
NSD	H1							
NSD	H2							
NSD	H3							
NSD	H4							
NSD	H5							
NSD	H6							
NSD	H7							
NSD	H8							+
NSD	H9							+
NSD	H10							-
NSD	G1							
NSD	G2							
NSD	G3							1
NSD	G4							
NSD	G5				+		 	
NSD	G6				+		 	
NSD	G7				+		 	
NSD	G8				 		 	
NSD	G8 G9				-		-	
NSD	G9 G10				-		-	
NSD	F1						-	
NSD					-			
NSD	F2 F3				 		 	
NSD	F3 F4				 		-	
NSD	F4 F5				 		-	-
					 		 	
NSD	F6 F7				-		-	
NSD					1		-	
NSD	F8				1		-	
NSD NSD	F9 F10				-		-	
NOD	F10							

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		TEN	M Bulk Talc Structure Co	unt Sheet		
Project/ Sample No.	M68503-017		Grid Box #	8637	No. of Grids Counted	2
Analyst:	Mehrdad M	lotamedi		Length	Width	G. O. Area
Date of Analysis	10/30/2	2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.020	35	G. O. III IIIICIOIIS =	105	105	11025
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Area Examined mm²			1.103

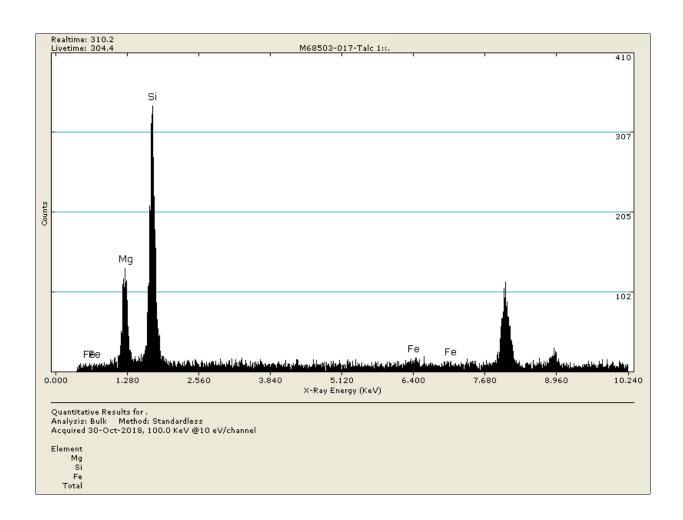
				Asbestos					
ı	Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS

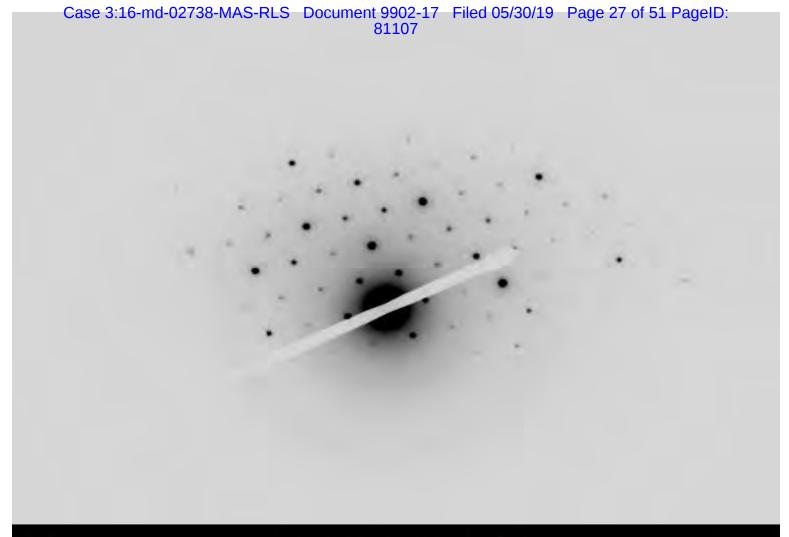
Org. Sample Wt.	Sample Wt. Post HL Separation					
0.02035	0.02035]g				
Percent of						
Orig. Post						
Separation	100	(%)				
		_				
Wt. Of						
Sample						
Analyzed	0.00011157	g				
Filter size	201.1	mm²				
Number of		1				1
Structures				Detection		
Counted	0	Str.		Limit	8.96E+03	Str./g
Structures		1				1
per Gram of				Analytical		
Sample	<8963	Str./g		Sensitivity	8.96E+03	Str./g

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		TEM Bulk	Talc Structu	re Count SI	heet	
Project/ Sample No.	M6850	M68503-017		8637	No. of Grids Counted	2
Analyst:	Mehrdad I	Motamedi		Length	Width	G.O. Area
Date of Analysis	10/30	10/30/2018 G. O. in		105	105	105
Initial Weight(g)	0.02	035	microns =	105	105	105
Analysis Type	Post Separation	Post Separation Talc Analysis		Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100
4	Screen Magnification	20 KX	Are	a Examined r	1.103	

Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
Talc 1	C3-D7	Fibrous Talc	7.9	0.8	9.9	Fibrous talc observed	
						Trace throu	gh out





M68503-017-Talc 1 Diffraction @ 50cm

10/30/2018



Section 11

roj#-Spl#	M69757 - 006ISO	Analyst Paul Hess	Date 12/13.	/2018
lientName Be	asley, Allen, Crow, Methvin,	Portis & Miles	ClientSpl 20180344-04A	
ocation				
/pe_Mat Ta	lc			
	ite powder		% of Samı	ole 100
/isual				
	OPTICAL DAT	A FOR ASBESTOS ID	ENTIFICATION	
Morphology				
Pleochroism				
Refract Index				
Sign^				
Extinction				
Birefringence				
Melt				
Fiber Name				
ASBESTOS N	MINERALS	EST. VOL	- %	
		NO ASBESTOS OBS		
Chrysotile				
Amosite				
Crocidolite		-		
	nolite			
Anthophyllite.				
OTHER FIBR	OUS COMPONENTS			
Talc -B/Y DS in	1.55	***		
NON FIBROU	S COMPONENTS			
Opaques		X		
Talc		X		
Mineral grains		X		
·····orai graine				
Binder Descri	ption			
	·		-	
Comm	nents *** Moderate amoun	t of fibrous Talc observe	ed. X = Materials detected.	
Comm	ionescaciato anioun			
	<u></u>			
		The method d	etection limit is 1% unless	otherwise stat

Proj#-Spl#	M69757 - 006BL	Analyst Paul Hess	Date 12/14/2018
ClientName B	easley, Allen, Crow, Methvin,	Portis & Miles ClientSp	ol 20180344-04A
_ocation			
ype_Mat T	alc		
Gross White	e debris on slide		% of Sample 100
	OPTICAL DAT	A FOR ASBESTOS IDENTIFICA	— ATION
Morpholog	n.		
Pleochrois			
Refract Inde			
Sign	٨		
Extinctio	n		
Birefringenc	<u> </u>		
Me			
Fiber Nam	е		
ASBESTOS	MINERALS	EST. VOL. %	
		NO ASBESTOS OBSERVED	
Chrysotile			
	tinolite	-	
	9		
	ROUS COMPONENTS		
OTTIERTIBL	COOC COMIT CIVELITIES		
NON FIBRO	US COMPONENTS		
Opaques		X	
Talc		X	
Mineral grains		X	
Binder Dece	rintina		
Binder Desc	iption		
0	ments X = Materials detecte	ad	
Com	ments \(\times = \text{indicinals defecte}	u.	

The method detection limit is 1% unless otherwise stated.

	TEM Bulk Talc Structure Count Sheet								
Project/ Sample No.	M69757	7-006	Grid Box #	8644	No. of Grids Counted	2			
Analyst:	Jose Ca	arrillo		Length	Width	G. O. Area			
Date of Analysis	12/15/2	2018	G. O. in microns =	105	105	11025			
Initial Weight(g)	0.041	59	G. O. III IIIICIOIIS =	105	105	11025			
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025			
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100			
1	Screen Magnification	20 KX	Area Examined mm²			1.103			

			Asbestos		I	ı	ı	ı
Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS
NSD	E8-J1	Structure	Туре	Lengui	Width	Ratio	JALD	LDS
NSD	J2							
NSD	J3							
NSD	J4							
NSD	J5							
NSD	J6							
NSD	J7							
NSD	J8							
NSD	J9							
NSD								
NSD	J10							
	H1							
NSD	H2							
NSD	H3							
NSD	H4							
NSD	H5							
NSD	H6							
NSD	H7							
NSD	H8							
NSD	H9							
NSD	H10							
NSD	G1							
NSD	G2							
NSD	G3							
NSD	G4							
NSD	G5							
NSD	G6							
NSD	G7							
NSD	G8							
NSD	G9							
NSD	G10							
NSD	E1							
NSD	E2							
NSD	E3							
NSD	E4							
NSD	E5							
NSD	E6							
NSD	E7							
NSD	E8							
NSD	E9							
NSD	E10							
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8							
NSD	D9							
NSD	D10		1					
			1	l	1		1	l

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	TEM Bulk Talc Structure Count Sheet									
Project/ Sample No.	M69757	'-006	Grid Box #	8644	No. of Grids Counted	2				
Analyst:	Jose Ca	arrillo		Length	Width	G. O. Area				
Date of Analysis	12/15/2	2018	G. O. in microns =	105	105	11025				
Initial Weight(g)	0.041	59	G. O. III IIIICIOIIS =	105	105	11025				
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025				
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100				
1	Screen Magnification	20 KX	Area Examined mm²			1.103				

_				•		•		
		.	Asbestos				l	
Str. #	Grid Opening	Structure	Туре	Length	Width	Ratio	SAED	EDS
NSD	E9-J1							
NSD	J2							
NSD	J3							
NSD	J4							
NSD	J5							
NSD	J6							
NSD	J7							
NSD	J8							
NSD	J9							
NSD	J10							
NSD	I1							
NSD	12							
NSD	13							
NSD	14							
NSD	15							
NSD	16							
NSD	17							
NSD	18							
NSD	19							
NSD	I10							
NSD	H1							
NSD	H2							
NSD	H3							
NSD	H4							
NSD	H5							
NSD	H6							
NSD	H7							
NSD	H8							
NSD	H9							<u> </u>
NSD	H10							
NSD	F1							
NSD	F2							
NSD	F3							
NSD	F4							
NSD	F5				 		 	
NSD	F6				 		 	
NSD	F7				 		 	
NSD	F8				1		1	
NSD	F9				+		 	
NSD	F10				-		-	
NSD	E1				-		-	-
NSD	E2				-		-	
NSD	E2 E3				 		-	-
NSD	E4		-		 		-	
NSD	E5				-		-	
NSD								-
	E6 E7				-		-	
NSD					1		-	
NSD	E8				1		1	
NSD NSD	E9				-		-	
NOD	E10							

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	TEM Bulk Talc Structure Count Sheet									
Project/ Sample No.	M69757	'-006	Grid Box #	8644	No. of Grids Counted	2				
Analyst:	Jose Ca	arrillo		Length	Width	G. O. Area				
Date of Analysis	12/15/2	2018	G. O. in microns =		105	11025				
Initial Weight(g)	0.041	59	G. O. III IIIICIOIIS =	105	105	11025				
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025				
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100				
1	Screen Magnification	20 KX	Area Examined mm²			1.103				

			Asbestos					
Str.	# Grid Opening	Structure	Туре	Length	Width	Ratio	SAED	EDS

4.39E+03

4.39E+03 Str./g

Str./g

	Sample Wt.			
Org. Sample	Post HL			
Wt.	Separation	_		
0.04159	0.04159	g		
Percent of				
Orig. Post				
Separation	100	(%)		
		_		
Wt. Of				
Sample				
Analyzed	0.00022801	g		
Filter size	201.1	mm²		
Number of				
Structures				Detection
Counted	0	Str.		Limit
Structures		1		
per Gram of				Analytical
Sample	<4386	Str./g		Sensitivity

	TEM Bulk Talc Structure Count Sheet								
Project/ Sample No.	M6975	57-006	Grid Box#	8644	No. of Grids Counted	2			
Analyst:	Jose C	Carrillo		Length	Width	G.O. Area			
Date of Analysis	12/15	/2018	G. O. in	105	105	105			
Initial Weight(g)	0.04	159	microns =	105	105	105			
Analysis Type	Post Separation	n Talc Analysis	Grid Acceptance	Yes	Average	11025			
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted	100			
1	Screen Magnification	20 KX	Are	a Examined r	1.103				

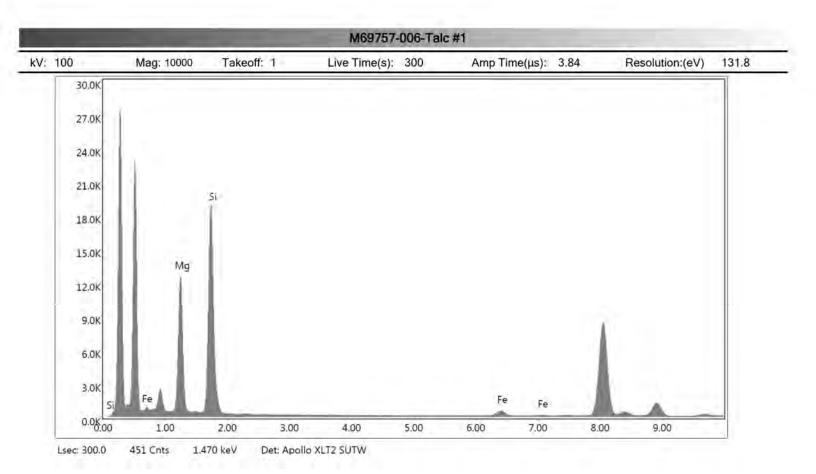
Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
Talc #1	E8-E5	F-Talc	2.9	0.56	5.2	Fibrous talc o	bserved
						Trace throu	ighout

Analysis

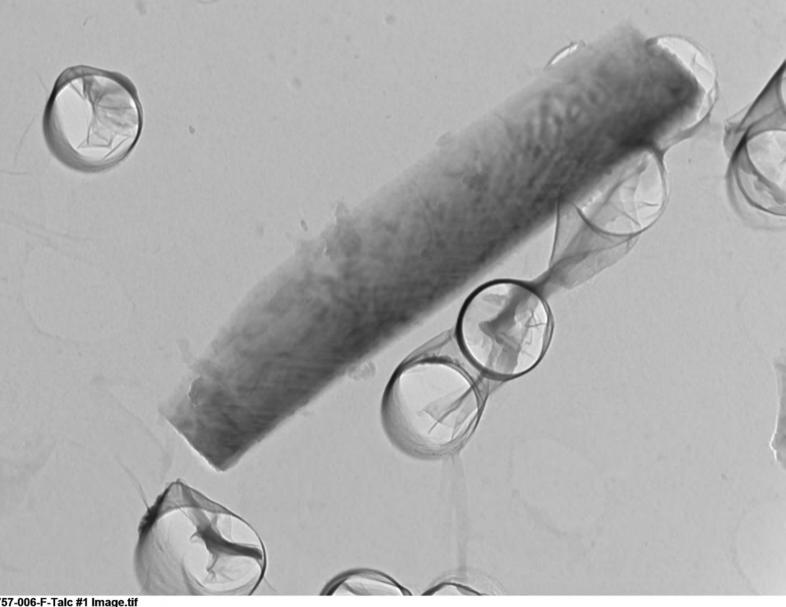
Author: lab

Creation: 12/15/2018 4:16:32 PM

Sample Name: Talc



M69757-006-F-Talc #1 Diffraction.tif Diffraction @ 50cm 16:16 12/15/2018



M69757-006-F-Talc #1 Image.tif (2.9um x 0.56um) 16:08 12/15/2018

Section 12

MAS, LLC PLM ANALYSIS

IlientName Beasley, Allen, Crow, Methvin, Portis & Miles ClientSpl 20180315-021A	roj#-Spl#	M69751 - 002ISO	Analyst Paul Hes	ss ,	Date 12/13/20	18
OPTICAL DATA FOR ASBESTOS IDENTIFICATION Morphology Pleochroism Refract Index Sign^ Extinction Birefringence Melt Fiber Name ASBESTOS MINERALS Crocidolite	lientName B	easley, Allen, Crow, Methvin,	Portis & Miles	ClientSpl 201	80315-021A	
ASSESTOS MINERALS Crocidolite	ocation _					
OPTICAL DATA FOR ASBESTOS IDENTIFICATION	ype_Mat <u>T</u>	alc				
Morphology Pleochroism Refract Index Sign^ Extinction Birefringence Melt Fiber Name ASBESTOS MINERALS Crocidolite		hite powder			% of Sample	100
Morphology Pleochroism Refract Index Sign^ Extinction Birefringence Melt Fiber Name ASBESTOS MINERALS ASBESTOS MINERALS EST. VOL. % NO ASBESTOS OBSERVED Chrysotile	visuai					
Morphology Pleochroism Refract Index Sign^ Extinction Birefringence Melt Fiber Name ASBESTOS MINERALS ASBESTOS MINERALS EST. VOL. % NO ASBESTOS OBSERVED Chrysotile		ODTICAL DAT	A FOR ASSESTA	IDENTIFICATIO	. 1	
Pleochroism Refract Index Sign^ Extinction Birefringence Melt Fiber Name ASBESTOS MINERALS EST. VOL. % NO ASBESTOS OBSERVED Chrysotile		OPTICAL DAT	A FOR ASBESTOS	JUENTIFICATIO	N	
Refract Index Sign^ Extinction Birefringence Melt Fiber Name ASBESTOS MINERALS Chrysotile						
Sign^ Extinction Birefringence Melt Fiber Name ASBESTOS MINERALS Chrysotile			1			
Extinction Birefringence Melt Fiber Name ASBESTOS MINERALS Chrysotile						
Birefringence Melt Fiber Name ASBESTOS MINERALS EST. VOL. % NO ASBESTOS OBSERVED Chrysotile	_	-	1	\longrightarrow \vdash		
Melt Fiber Name ASBESTOS MINERALS Chrysotile						-
ASBESTOS MINERALS Chrysotile	_					
NO ASBESTOS OBSERVED Chrysotile	Fiber Nam	е				
Chrysotile	ASBESTOS	MINERALS				
Amosite			NO ASBESTOS C	BSERVED		
Crocidolite	Chrysotile	***************************************				
Tremolite/Actinolite	Amosite	•••••				
Anthophyllite	Crocidolite					
Talc -B/Y DS in 1.55 *** NON FIBROUS COMPONENTS Dipaques	Tremolite/Act	inolite				
NON FIBROUS COMPONENTS Depaques Talc Alignment grains White the state of the st	Anthophyllite	••••••				
NON FIBROUS COMPONENTS Depaques Talc Alineral grains Binder Description	OTHER FIBE	ROUS COMPONENTS				
Depaques X Talc X Mineral grains X Binder Description	Talc -B/Y DS it	n 1.55	***			
Depaques X Talc X Mineral grains X Binder Description						
Depaques X Talc X Mineral grains X Binder Description						
Depaques X Talc X Mineral grains X Binder Description	V 5					
Depaques X Talc X Mineral grains X Binder Description						
Falc X Mineral grains X Binder Description	NON FIBRO	JS COMPONENTS				
Falc X Mineral grains X Binder Description						
Alineral grains X Mineral grains X Binder Description	Dpaques		X	.		
Binder Description			X	<u> </u>		
Binder Description	Mineral grains		X	V2		
			-			
	Dinder Deser	intion				
Comments *** Moderate amount of fibrous Talc observed. X = Materials detected.	binaer Descr	iption		***************************************		
Comments *** Moderate amount of fibrous Talc observed. X = Materials detected.					-	-
Comments woderate amount or increas rate observed. A = waterials detected.	Com	mante *** Moderate amount	of fibrous Tale obser	ved X - Material	s detected	
	Comi	ments Moderate amount	or librous raic observ	rou. A - Iviatellal	o detected.	
		7.0		0		

MAS, LLC PLM ANALYSIS

Proj#-Spl#	M69	9751 - 002BL	Analyst Paul He	ess	Date 12/14/201	8
	Beasley, A	llen, Crow, Methvin,			20180315-021A	
Location						
Type_Mat	Talc					
Gross Off	-white debris	s on slide			% of Sample	100
Visual					-	
		OPTICAL DAT	A FOR ASBESTOS	IDENTIFICAT	- FION	
Morphol	ogy		1		11.50	
Pleochro						
Refract Inc	dex					
	gn^					
Extinct					area (
Birefringe			-			
Fiber Na	Melt					
1 IDEL MG	iiie				<u>L.</u>	
ASBESTO	S MINERA	LS	EST. V			
01						
Chrysotile.						
Crocidolite			-			
Tremolite/A						
Anthophylli						
		OMPONENTS				
OTHER FIL	BHOUS CC	DIMPONENTS				
						
						
NON FIBR	OUS COM	PONENTS				
Opaques			X			
Opaques Talc						
Mineral grain	ne					
Willieral grain	15					
Binder Des	cription _					
	_					
Co	mments X	X = Materials detected	d			
	-					-
			The metho	d detection lim	nit is 1% unless other	rwise stated.

		TEM	M Bulk Talc Structure Co	unt Sheet		
Project/ Sample No.	M69751-002		Grid Box #	8644	No. of Grids Counted	2
Analyst:	Jayme C	Callan		Length	Width	G. O. Area
Date of Analysis	12/15/2	2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.04	13	G. O. III IIIICIOIIS =	105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Exam	1.103		

	1		A = b = = 1 = =			•		
0 , "			Asbestos		147.141	5	0.455	500
Str. #	Grid Opening	Structure	Туре	Length	Width	Ratio	SAED	EDS
NSD NSD	A8-A1							
	A2							
NSD	A3							
NSD	A4							
NSD	A5							
NSD	A6							
NSD	A7							
NSD	A8							
NSD	A10							
NSD	B1							
NSD	B2							
NSD	B3							
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4							
NSD	C5							
NSD	C6							
NSD	C7							
NSD	C8							
NSD	C9							
NSD	C10							
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8						 	
NSD	D9						1	
NSD	D10						1	
NSD	E1							
NSD	E2							
NSD	E3						 	
NSD	E4						 	—
NSD	E5							
NSD	E6						 	—
NSD	E7						 	
NSD	E8				+		 	
NSD	E9				+		 	
NSD	E10						 	
NSD	F1						-	
חפאו	[1							

		TEM	M Bulk Talc Structure Co	unt Sheet		
Project/ Sample No.	M69751-002		Grid Box #	8644	No. of Grids Counted	2
Analyst:	Jayme C	Callan		Length	Width	G. O. Area
Date of Analysis	12/15/2	2018	G. O. in microns =	105	105	11025
Initial Weight(g)	0.04	13	G. O. III IIIICIOIIS =	105	105	11025
Analysis Type	Post Separation Talc Analysis		Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100
3	Screen Magnification	20 KX	Area Exam	1.103		

	,		I A = b = = 1 = =					
01#	0-1-1-01	04	Asbestos		VA/: -141-	D-4:-	0450	
Str. #	Grid Opening	Structure	Туре	Length	Width	Ratio	SAED	EDS
NSD	A9-A1							
NSD	A3							
NSD	A4							
NSD	A6							
NSD	A7							
NSD	A8							
NSD	A9							
NSD	B1							
NSD	B2							
NSD	B3							
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4							
NSD	C5							
NSD	C6							
NSD	C7							
NSD	C8							
NSD	D1							
NSD	D2							
NSD	D3							
NSD	D4							
NSD	D5							
NSD	D6							
NSD	D7							
NSD	D8							
NSD	D9							
NSD	E1							
NSD	E2							
NSD	E3							
NSD	E6							
NSD	E7							
NSD	E8							
NSD	E9							
NSD	E10							
NSD	F1							
NSD	F2							
NSD	F3							
NSD	F4							
NSD	F5							
NSD	F6							
NSD	F7							
NSD	F8							
ļ.	1	·						

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	TEM Bulk Talc Structure Count Sheet								
Project/ Sample No.	M69751-002		Grid Box #	8644	No. of Grids Counted	2			
Analyst:	Jayme C	Callan		Length	Width	G. O. Area			
Date of Analysis	12/15/2	2018	G. O. in microns =	105	105	11025			
Initial Weight(g)	0.04	13	G. O. III IIIICIOIIS =	105	105	11025			
Analysis Type	Post Separation	Talc Analysis	Grid Acceptance	Yes	Average	11025			
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100			
3	Screen Magnification	20 KX	Area Exam	1.103					

				Asbestos					
ı	Str. #	Grid Opening	Structure	Type	Length	Width	Ratio	SAED	EDS

Org. Sample Wt.	Sample Wt. Post HL Separation					
0.04130	0.04130	٦٩				
Percent of	0.04130	_ g				
Orig. Post						
Separation	100	(%)				
Ocparation	100](70)				
Wt. Of		7				
Sample						
Analyzed	0.00022642	g				
Filter size	201.1	mm²				
Number of		1				1
Structures				Detection		
Counted	0	Str.		Limit	4.42E+03	Str./g
Structures		1				1 Š
per Gram of				Analytical		
Sample	<4417	Str./g		Sensitivity	4.42E+03	Str./g

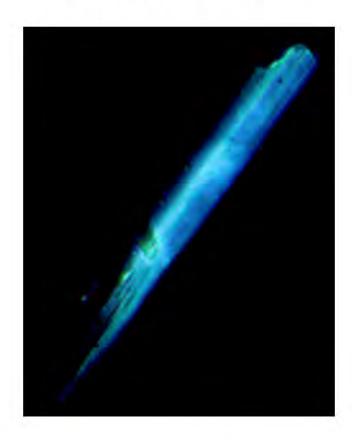
	TEM Bulk Talc Structure Count Sheet								
Project/ Sample No.	M69751-002		Grid Box#	8644	No. of Grids Counted	2			
Analyst:	Jayme	Callan		Length	Width	G.O. Area			
Date of Analysis	12/15	/2018	G. O. in	105	105	105			
Initial Weight(g)	0.04	130	microns =	105	105	105			
Analysis Type	Post Separation	n Talc Analysis	Grid Acceptance	Yes	Average	11025			
Scope No.	Accelerating Voltage	100 KV	Loading%	15%	G.O.s Counted	100			
3	Screen Magnification	20 KX	Are	1.103					

Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
NSD	A8-A1					No fibrous talc	observed

Corporate Headquarters 3945 Lakefield Court Suwanee, GA 30024 (770) 866-3200 FAX (770) 866-3259



Analysis of J&J's Historical Talc Samples From the 2000's



Prepared by:

William E. Longo, Ph.D Mark W. Rigler, Ph.D

Materials Analytical Services, LLC 3945 Lakefield Court Suwanee, Georgia 30024

January, 2019

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ATLANTA

Corporate Headquarters 3945 Lakefield Court Suwanee, GA 30024 (770) 866-3200 FAX (770) 866-3259



Analysis of Historical J&J's Talc	1	Summary of Results
Samples from the 2000s	2	Chain of Custody
	3	M69751-001 2000
	4	M69751-006 2000
	5	M69751-007 2000
January 2019	6	M69751-038 2000
	7	M69751-004 2001
	8	M69751-008 2003

Section 1

Corporate Headquarters 3945 Lakefield Court Suwanee, GA 30024 (770) 866-3200 FAX (770) 866-3259

Summary of Results for Johnson & Johnson's 2000's Historical JBP & STS Samples

MAS/J³ Sample Number	Client Sample ID	Year of Mnfr.	Amphibole Asbestos Structures/g	Amphibole Asbestos wt. %	Analytical Sensitivity Structures/g	ISO PLM wt. %	Blount PLM wt. %
M69751- 001	2018-0315-01A	2000	4400	0.000017	4400	NAD	NAD
M69751- 006	2018-0316-020A	2000	4600	0.0000024	4600	NAD	<0.1 Tre/Act
M69751- 007	2018-0316-021A	2000	8700	0.000024	4300	NAD	NAD
M69751- 038	2018-0317-04A	2000	<4400	<0.0000268	4400	NAD	NAD
M69751- 004	2018-0315-040A	2001	<4300	<0.0000268	4300	NAD	NAD
M69751- 008	2018-0316-022A	2003	<4400	<0.0000268	4400	NAD	NAD

NAD: no asbestos detected.

M69751-001

Str. #	Length (μm)	Width (µm)	Aspect Ratio	Structure Type	Asbestos Type
-1	10.5	1.2	8.8	Bundle	Tremolite

Average Aspect Ratio: 8.8

M69751-006

Str. #	Length (μm)	Width (µm)	Aspect Ratio	Structure Type	Asbestos Type
-1	8.2	0.5	16.4	Bundle	Tremolite

Average Aspect Ratio: 35.0

M69751-007

Str. #	Length (μm)	Width (μm)	Aspect Ratio	Structure Type	Asbestos Type
-1	16.0	.1	16.0	Bundle	Tremolite
-2	7.6	0.9	8.4	Bundle	Tremolite

Average Aspect Ratio: 12.2

Section 2

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MAS, LLC. CHAIN-OF-CUSTODY

CLIENT: Beasley, Allen, Crow, Methvin, Portis & Miles

CONTACT: Leigh O'Dell

PHONE:

CLIENT JOB NAME: 14-2134 MDL Litigation

CLIENT JOB#: 14-2134 MDL Litigation

CLIENT DOC(S): COC

FAX NUMBER:

MAS JOB: M69751

LOGIN DATE: 12/7/2018

SUBMITTED BY: Alliance Technologies
TRANSPORT: Fed Ex 773877593064

RECEIVED BY: ShaQuanna Armstrong

CONDITION: Good

MAS LOCATION:	RM. 16	23	DATE/BY: 12/10/2018
PREP BY	TAM	DATE: 12/13/18	
ANALYSIS BY:	PH	DATE: 12/13-15/18	FINAL DISPOSITION BY
QC BY:	2	DATE: Walsou	LOCATION: LEGALARCHINE RM. 123 Drafis/14
REPORT BY	2	DATE: we lank	
REVIEWED BY	200	DATE: INTELOUR	DATE:

MAS#	CLIENT ID	VOLUME :	TYPE MATERIAL	MAS#	CLIENT ID	VOLUME	TYPE MATERIAL
001BL LOCATI	20180315-01A ON	77	falc	006BL	20180316-020A ON		Talc
001ISO LOCATI	20180315-01A ON		falc:	006ISO LOCATIO	20180316-020A ON	-	Talc
002BL LOCATION	20180315-021A ON		falc	007BL LOCATIO	20180316-021A ON		Talc
002ISO LOCATIO	20180315-021A ON	İ	alc	007ISO LOCATIO	20180316-021A ON		Talc
003 LOCATIO	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF T	7	alc	008BL LOCATIO	20180316-022A ON		Talc
004BL LOCATION	20180315-040A ON	-1	alc	008ISO LOCATIO	20180316-022A ON		Talc
004ISO LOCATIO	20180315-040A ON	1	alc	009 LOCATIO	20180316-023A DN		Talc
005 LOCATIO	20180316-019A DN	7	alc	010 LOCATIO	20180316-024A DN		Talc

SAMPLE(S) RETURNED BY:	N/A	DATE:
FEDEX TRACKING #		
RECEIVED BY:	1	DATE:
	0/2/10/18	

COMMENT For Samples Analyzed Only PLM ANALYSIS

MAS, LLC. 3945 Lakefield Court Suwanee, Georgia 30024 (770) 866-3200

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